L Number	Hits	Search Text	DB	Time stamp
-	30686	(pipe pipeline conduit) and (marine ocean seawater subsea seafloor underwater)	USPAT; US-PGPUB; DERWENT	2004/01/01 12:32
-	30686	(pipe pipeline conduit) and (marine ocean seawater subsea seafloor subsea underwater)	USPAT; US-PGPUB; DERWENT	2004/01/01 12:32
-	12231	((pipe pipeline conduit) and (marine ocean seawater subsea seafloor underwater)) and (paraffin hydrate "build up" clog clogged clogging block blocked blocking)	USPAT; US-PGPUB; DERWENT	2004/01/01 12:33
-	6987	(((pipe pipeline conduit) and (marine ocean seawater subsea seafloor underwater)) and (paraffin hydrate "build up" clog clogged clogging block blocked blocking)) and (circulate circulation circulating heat heated heater heating melt melted melting)	USPAT; US-PGPUB; DERWENT	2004/01/01 12:34
-	2166	((((pipe pipeline conduit) and (marine ocean seawater subsea seafloor underwater)) and (paraffin hydrate "build up" clog clogged clogging block blocked blocking)) and (circulate circulation circulating heat heated heater heating melt melted melting)) and ((heat heated heating) near5 (water seawater ambient))	USPAT; US-PGPUB; DERWENT	2004/01/01 12:37
-	0	(((((pipe pipeline conduit) and (marine ocean seawater subsea seafloor underwater)) and (paraffin hydrate "build up" clog clogged clogging block blocked blocking)) and (circulate circulation circulating heat heated heater heating melt melted melting)) and ((heat heated heating) near5 (water seawater ambient))) and baugh-b$.in.	USPAT; US-PGPUB; DERWENT	2004/01/01 12:38
-	2011	(((((pipe pipeline conduit) and (marine ocean seawater subsea seafloor underwater)) and (paraffin hydrate "build up" clog clogged clogging block blocked blocking)) and (circulate circulation circulating heat heated heater heating melt melted melting)) and ((heat heated heating) near5 (water seawater ambient))) and (temperature cold blockage)	USPAT; US-PGPUB; DERWENT	2004/01/01 12:39
-	86	baugh-benton$.in.	USPAT	2004/01/01 12:43
-	93	baugh-benton$.in.	USPAT; US-PGPUB; DERWENT	2004/01/01 12:44
-	86	baugh-benton$.in. and baugh-benton$.in.	USPAT; US-PGPUB; DERWENT	2004/01/01 12:44
-	0	(((((((pipe pipeline conduit) and (marine ocean seawater subsea seafloor underwater)) and (paraffin hydrate "build up" clog clogged clogging block blocked blocking)) and (circulate circulation circulating heat heated heater heating melt melted melting)) and ((heat heated heating) near5 (water seawater ambient))) and (temperature cold blockage)) and ((heat heater heated heating) same (external outside exterior diameter outer))) and baugh-benton$.in.	USPAT; US-PGPUB; DERWENT	2004/01/01 12:44

–	1241	((((((pipe pipeline conduit) and (marine ocean seawater subsea seafloor underwater)) and (paraffin hydrate "build up" clog clogged clogging block blocked blocking)) and (circulate circulation circulating heat heated heater heating melt melted melting)) and ((heat heated heating) near5 (water seawater ambient))) and (temperature cold blockage)) and ((heat heater heated heating) same (external outside exterior diameter outer))	USPAT; US-PGPUB; DERWENT	2004/01/01 12:54
–	794	((((((pipe pipeline conduit) and (marine ocean seawater subsea seafloor underwater)) and (paraffin hydrate "build up" clog clogged clogging block blocked blocking)) and (circulate circulation circulating heat heated heater heating melt melted melting)) and ((heat heated heating) near5 (water seawater ambient))) and (temperature cold blockage)) and ((heat heater heated heating) same (external outside exterior diameter outer))) and @ay<=1999	USPAT; US-PGPUB; DERWENT	2004/01/01 12:55
–	2	(("4679598") or ("6035933")).PN.	USPAT	2004/01/02 13:23
–	13	("0345586" | "1012777" | "1668635" | "2911047" | "2998069" | "3269422" | "3420277" | "3563825" | "3866670" | "3934618" | "4154297" | "4194536" | "4523644").PN.	USPAT	2004/01/02 13:40
–	5	4679598.URPN.	USPAT	2004/01/02 15:57
–	13705	(heat heater heating) same ((electrical electric electricity) and pressure and chemical)	USPAT	2004/01/02 17:43
–	5669	((heat heater heating) same ((electrical electric electricity) and pressure and chemical)) and (pipe pipeline piping conduit)	USPAT	2004/01/02 17:43
–	139	(((heat heater heating) same ((electrical electric electricity) and pressure and chemical)) and (pipe pipeline piping conduit)) and (405/$.ccls. or 138/$.ccls.)	USPAT	2004/01/02 17:44
–	130	((((heat heater heating) same ((electrical electric electricity) and pressure and chemical)) and (pipe pipeline piping conduit)) and (405/$.ccls. or 138/$.ccls.)) and @ay<=1999	USPAT	2004/01/02 18:08
–	10346	(heat heater heating) same (pressure near3 (reducer reducing reduce))	USPAT	2004/01/02 18:20
–	9227	((heat heater heating) same (pressure near3 (reducer reducing reduce))) and @ay<=1999	USPAT	2004/01/02 18:24
–	5064	(((heat heater heating) same (pressure near3 (reducer reducing reduce))) and @ay<=1999) and (pipe piping pipeline conduit)	USPAT	2004/01/02 18:11
–	5064	(((heat heater heating) same (pressure near3 (reducer reducing reduce))) and @ay<=1999) and (pipe piping pipeline conduit)	USPAT	2004/01/02 18:24
–	1	(heat heater heating) same "pressure reducing means"	USPAT	2004/01/02 18:23
–	0	(heat heater heating) same "pressure (reducing reduction)"	USPAT	2004/01/02 18:23
–	3525	(heat heater heating) same (pressure adj (reducing reduction))	USPAT	2004/01/02 19:00
–	3167	((heat heater heating) same (pressure adj (reducing reduction))) and @ay<=1999	USPAT	2004/01/02 19:00
–	1984	(((heat heater heating) same (pressure adj (reducing reduction))) and @ay<=1999) and (pipe piping pipeline conduit)	USPAT	2004/01/02 19:01

–	132	((((heat heater heating) same (pressure adj (reducing reduction))) and @ay<=1999) and (pipe piping pipeline conduit)) and ((heat heater heating) same (pressure adj (reducing reduction))).ab.	USPAT	2004/01/02 19:01
–	98686	(heat heater heating) same chemical	USPAT	2004/01/02 19:00
–	87412	(heat heater heating) same chemical) and @ay<=1999	USPAT	2004/01/02 19:00
–	21804	(((heat heater heating) same chemical) and @ay<=1999) and (pipe piping pipeline conduit)	USPAT	2004/01/02 19:01
–	1216	((((heat heater heating) same chemical) and @ay<=1999) and (pipe piping pipeline conduit)) and ((heat heater heating) same chemical).ab.	USPAT	2004/01/02 19:03
–	60	(((((heat heater heating) same chemical) and @ay<=1999) and (pipe piping pipeline conduit)) and ((heat heater heating) same chemical).ab.) and (405/$.ccls. or 138/$.ccls. or 166/$.ccls.)	USPAT	2004/01/02 19:07
–	1309	chemical near5 (produce production generate generation means) near5 heat	USPAT	2004/01/05 13:25
–	1129	(chemical near5 (produce production generate generation means) near5 heat) and @ay<=1999	USPAT	2004/01/05 13:25
–	159	((chemical near5 (produce production generate generation means) near5 heat) and @ay<=1999) and (chemical and heat).ab.	USPAT	2004/01/05 13:28
–	0	(((chemical near5 (produce production generate generation means) near5 heat) and @ay<=1999) and ((heating heat heater) adj water)) and seawater	USPAT	2004/01/05 13:29
–	68	((chemical near5 (produce production generate generation means) near5 heat) and @ay<=1999) and ((heating heat heater) adj water)	USPAT	2004/01/05 13:29
–	8	("1620581" | "2930634" | "2961363" | "3175558" | "3475239" | "3542402" | "3663335" | "4080953").PN.	USPAT	2004/01/05 15:23

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L1: (6) ("4157847" OR "4523644" OR "4641710" OR "4679598" OR "5182792" OR "5803161").PN.

Failed
  (0) 3 AND ((405/$.CCLS.) OR (122/$.CCLS.) OR (166/$.CCLS.) or 15/$.ccls.))

Saved
  (158537) ((PIPELINE OR CONDUIT OR PIPE) AND (HEATER OR HEATING OR HEAT))
  (6722) ((SUBSEA OR AQUATIC OR MARINE OR SEA) AND (((PIPELINE OR CONDUIT OR PIPE) AND (HEATER OR H...
  (1476) ((((SUBSEA OR AQUATIC OR MARINE OR SEA) AND (((PIPELINE OR CONDUIT OR PIPE) AND (HEATER OR...
  (176) ((((((SUBSEA OR AQUATIC OR MARINE OR SEA) AND (((PIPELINE OR CONDUIT OR PIPE) AND (HEATER O...
  (188) ((((((SUBSEA OR AQUATIC OR MARINE OR SEA) AND (((PIPELINE OR CONDUIT OR PIPE) AND (HEATER O...
  (608) (138/34 OR 138/27 OR 138/33 OR 138/32).CCLS.
  (150) (((138/34 OR 138/27 OR 138/33 OR 138/32).CCLS.) AND (HEATING OR HEAT))

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4157847
4523644
4641710
4679598
5182792
5803161

	U		Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval C	Inventor	S	C
1	☑	☐	US 5803161 A	19980908	7	Heat pipe heat exchanger for cooling or heating high	165/104.21	165/45 ; 166/302		Wahle, Harold W. , et al.	☐	☐
2	☑	☐	US 5182792 A	19930126		Process of electric pipeline heating utilizing heating	392/468	166/60 ; 219/523		Goncalves, Carlos Alberto D. C.	☐	☐
3	☑	☐	US 4679598 A	19870714		Subsea pipeline bundle	138/103	166/302 ; 166/306		Jee, Trevor P.	☐	☐
4	☑	☐	US 4641710 A	19870210		Enhanced recovery of subterranean deposits by	166/400	166/266 ; 166/272.6		Klinger, Barney	☐	☐
5	☑	☐	US 4523644 A	19850618		Thermal oil recovery method	166/302	166/57 ; 166/77.2		Dismukes, Newton E.	☐	☐
6	☑	☐	US 4157847 A	19790612		Method and apparatus for utilizing accumulated	299/6	166/62		Williams, R. L. , et al.	☐	☐